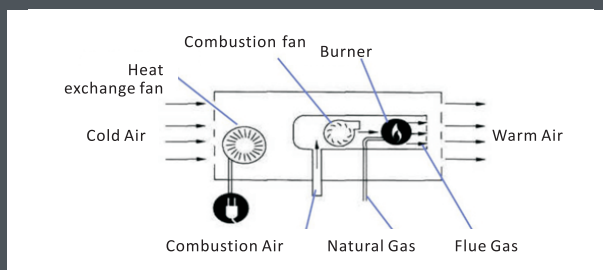


## KWDH Dual Positive Direct-fired Warm Air Heater

### HOW IT WORKS

When the thermostat demands heating, the combustion fan starts, and the ignition control system initiates the combustion process. The circulating fan also starts, and the combustion products are mixed with the circulating air and then delivered to the heated space, achieving the purpose of heating.



### Features

- Dual positive (double fan) direct-fired warm air heater, a world-first, patented invention
- Two independent blowers, the combustion blower introduces fresh air from the outside for combustion, ensuring no oxygen depletion indoors
- Input power of 50/70 kW, with optional variable power input
- Natural gas or propane
- Flameout protection, fan failure protection, overheating protection
- Can be installed indoors or outdoors

### Applications

- Pig houses (Recommended for indoor installation)
- Chicken and duck houses: Free-range and bed raising can be installed indoors or outdoors; cage raising is recommended for outdoor installation.



### Advantages/Benefits

- Variable input power (Optional), reducing temperature fluctuations in livestock and poultry houses, significant energy savings.
- Combustion occurs with outdoor air, avoiding oxygen depletion or incomplete combustion. No need to increase ventilation, resulting in significant energy savings
- Outdoor installation, with gas pipelines kept outside for safety. Equipment maintenance is conducted outdoors, ensuring biosecurity
- Upward return air and downward supply air, providing uniform temperature distribution and high energy efficiency.



Dual positive direct-fired warm air heater installed in pig house, combustion air introduced from the ceiling



Dual positive direct-fired warm air heater installed outside caged chicken house, efficient and safe

# KWDH Dual Positive Direct-fired Warm Air Heater



## Technical Parameter

Model	Heat Load	Fuel Consumption		Power Supply (Single-phase and three-phase optional)		Air Flow	Temperature Rise	Size (excluding air outlet) /Weight
		Natural gas	Propane	220V/50Hz	380V/50Hz			
KWDH50	25-50kW	2.42-4.83 m <sup>3</sup> /h	2.0-4.0 kg/h	610W	Circulating fan: 380V/550W Combustion fan: 220V/60W	2300m <sup>3</sup> /h	40-75°C	L805×W550×H550mm /44kg
KWDH70	35-70kW	3.38-6.76m <sup>3</sup> /h	2.75-5.5 kg/h					

## Typical Installation

